



## SEQUENCE LISTING

<110> INTEL CORPORATION  
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<120> CONTROLLED ALIGNMENT OF NANO-BARCODES ENCODING SPECIFIC INFORMATION  
FOR SCANNING PROBE MICROSCOPY (SPM)

<130> INTEL1310-1(P14240X)

<140> US 10/667,004

<141> 2003-09-19

<150> US 10/251,152

<151> 2002-09-20

<160> 26

<170> PatentIn version 3.1

<210> 1

<211> 30

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 1

Ala Ala Met Ala Ala Lys Ala Met Ala Ala Met Ala Lys Ala Val Ala  
1 5 10 15

Met Ala Ala Lys Ala Val Ala Ala Met Ala Lys Ala Ala Ala  
20 25 30

<210> 2

<211> 25

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 2

Gly Ala Leu Tyr Ala Met Ala Arg Ala Val His Ala Met Ala Glu Ala  
1 5 10 15

Ala Cys Gln Ala Ala Trp Ala Met Gly  
20 25

<210> 3

<211> 40

<212> DNA

<213> Artificial sequence  
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 <223> Synthetic oligonucleotide  
 <400> 3  
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<210> 4  
 <211> 60  
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 gccctaact gtggaaaatc gatgggcccg cggccgctct tatggttgct gactagacca 60

<210> 5  
 <211> 70  
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 tggggcggag 70

<210> 6  
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 ctccgccccca ctagtgtcga cctgcaggcg cgcgagctcc aatgggcgga caatggcaca 60

<210> 7  
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 attgagatgc 70

<210> 8  
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 <400> 8  
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 <210> 9  
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 <400> 9  
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 tgctggggag 70  
  
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 ctccccagca cggaagtata aagtgtaaag cctgggggtgc ggatgggagg aatgagactg 60  
  
 <210> 11  
 <211> 61  
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 <400> 11  
 acagtctcat tccgcccac cctaagtgt gagctaactc acagtaattg cggctagcgg 60  
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 <210> 12  
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tcgagagtac ttctagagcg gccgcggggc catcgatttt ccacccgggt ggggtaccag 60  
gtaagtgtac ccaa 74

<210> 13  
<211> 78  
<212> DNA  
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<220>  
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<400> 13  
ctcactaaag ggaacaaaag ctggagctcg cgcgcctgca ggtcgacact agtggatcca 60  
aagaattcaa aaagcttc 78

<210> 14  
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<220>  
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<400> 14  
tggaattgtg agcggataac aatttcacac aggaaacagc tatgaccttg attacgcca 60  
gctcgaaatt aacc 74

<210> 15  
<211> 84  
<212> DNA  
<213> Artificial sequence

<220>  
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<400> 15  
tccggtagcc gcaattactg tgagttagct cactcattag gcaccccagg ctttacactt 60  
tatacttccg gctcgatatat tgtg 84

<210> 16  
<211> 32  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Synthetic peptide

<400> 16

Gly Gly Gly Lys Gly Gly Gly Lys Gly Gly Gly Lys Gly Gly Gly Lys  
1 5 10 15

Gly Gly Gly Lys Gly Gly Gly Lys Gly Gly Gly Lys Gly Gly Gly Lys  
                   20                  25                  30

<210> 17  
 <211> 49  
 <212> PRT  
 <213> Artificial sequence

<220>  
 <223> Synthetic peptide

<400> 17

Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Ala Ala Ala Lys Ala Ala  
 1                  5                  10                  15

Ala Ala Ala Ala Lys Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Ala  
                   20                  25                  30

Ala Ala Lys Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Ala Ala Ala  
           35                  40                  45

Lys

<210> 18  
 <211> 32  
 <212> PRT  
 <213> Artificial sequence

<220>  
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<400> 18

Gly Gly Gly Glu Gly Gly Gly Glu Gly Gly Gly Glu Gly Gly Gly Glu  
 1                  5                  10                  15

Gly Gly Gly Glu Gly Gly Gly Glu Gly Gly Gly Glu Gly Gly Gly Glu  
                   20                  25                  30

<210> 19  
 <211> 42  
 <212> PRT  
 <213> Artificial sequence

<220>  
 <223> Synthetic peptide

<400> 19

Ala Ala Ala Ala Ala Glu Ala Ala Ala Ala Ala Glu Ala Ala Ala Ala  
 1                  5                  10                  15

Ala Glu Ala Ala Ala Ala Glu Ala Ala Ala Ala Glu Ala Ala  
                   20                  25                  30

Ala Ala Ala Glu Ala Ala Ala Ala Glu  
           35                  40

<210> 20  
 <211> 63  
 <212> PRT  
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<220>  
 <223> Synthetic peptide

<400> 20

Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Ala Ala Lys Ala Ala  
 1                  5                  10                  15

Ala Ala Ala Ala Lys Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala  
                   20                  25                  30

Ala Ala Lys Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Ala Ala  
           35                  40                  45

Lys Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Ala Ala Lys  
   50                  55                  60

<210> 21  
 <211> 28  
 <212> PRT  
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<220>  
 <223> Synthetic peptide

<400> 21

Ala Ala Lys Ala Ala Ala Lys Ala Ala Lys Ala Ala Ala Lys Ala Ala  
 1                  5                  10                  15

Lys Ala Ala Ala Lys Ala Ala Lys Ala Ala Ala Lys  
           20                  25

<210> 22  
 <211> 7  
 <212> PRT  
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<220>  
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<400> 22

Lys Lys Lys Lys Lys Lys Lys  
1 5

<210> 23

<211> 56

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 23

Ala Ala Ala Ala Ala Ala Glu Ala Ala Ala Ala Ala Ala Glu Ala Ala  
1 5 10 15

Ala Ala Ala Ala Glu Ala Ala Ala Ala Ala Ala Glu Ala Ala Ala Ala  
20 25 30

Ala Ala Glu Ala Ala Ala Ala Ala Ala Glu Ala Ala Ala Ala Ala Ala  
35 40 45

Glu Ala Ala Ala Ala Ala Ala Glu  
50 55

<210> 24

<211> 28

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 24

Ala Ala Glu Ala Ala Ala Glu Ala Ala Glu Ala Ala Ala Glu Ala Ala  
1 5 10 15

Glu Ala Ala Ala Glu Ala Ala Glu Ala Ala Ala Glu  
20 25

<210> 25

<211> 6

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 25

Glu Glu Glu Glu Glu Glu

1

5

&lt;210&gt; 26

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Synthetic peptide

&lt;400&gt; 26

Ala Ala Lys Ala Ala Ala Glu Ala Ala Lys Ala Ala Ala Glu Ala Ala  
 1 5 10 15

Lys Ala Ala Ala Glu Ala Ala Lys Ala Ala Ala Glu  
 20 25